AMENDMENT AFTER FINAL   JP919980804US1
May 19, 2005   Serial No. 09/681,788

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A portable fax machine, comprising:

a pen-based input device, comprising a writing pen and a writing pad, enabling a user to write documents for fax transmission on the writing pad by means of the writing pen, wherein said input device is capable of generating data representative of the moving trace of the pen-based input device and of recording a user's written input in a strokes data format, each stroke comprising a series of position coordinates of pen-based input device between a pen-down event and a pen-up event;

an encoder for transferring the stroke format data representative of the moving trace of the writing pen into fax data format, said encoder comprising:

a data filter filtering the data generated by the pen-based input device to extract the stroke data represented by x and y coordinates, and

a format generator transferring the stroke data into data in the standard fax data format by interpolating, sorting and encoding and wherein said format generator batch processes blank lines between non-blank lines during the encoding procedure;

a dialer for inputting the fax number of a destination to set up a connection herewith; and

a fax transmission device for transmitting to the destination the data in the fax data format output from the encoding means.

2. (original) A portable fax machine according to claim 1, wherein said pen-based input device is a general handwriting digitizer.

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3. (original) A portable fax machine according to claim 1, wherein said pen-based input device is a device integrating a handwriting digitizer with a traditional paper-based record making system.

4 – 5 (canceled)

6. (original) A portable fax machine according to claim 1, wherein said dialing means is provided in the writing pad in the form of a keyboard.

7. (original) A portable fax machine according to claim 1, wherein said dialing means is provided in the writing pad in the form of a software-defined dialing area comprising selectable buttons displayed in a GUI in the writing pad and program code responsive to selection of one of said buttons by the writing pen.

8. (previously presented) A portable fax machine according to claim 1, further comprising a PC software interface for archiving the fax documents and accepting a fax template defined by the user.

9. (currently amended) A dialing method for use in a portable fax machine, comprising the steps of:
        selecting an area on a writing area of an input device as a dialing area;
        loading a program for defining the dialing area and processing the signal coming from the dialing area, said dialing area being defined such that a portion of a page being faxed is simultaneously displayed with said dialing area; and
        triggering the program according to predetermined timing when a writing device contacts the dialing area.

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10. (currently amended) A computer program product for use with a portable fax machine, said computer program product comprising: a computer readable medium having a computer readable code embodied in said medium for causing a dialer of a portable fax machine to dial, said computer program product comprising:

computer readable program code for selecting an area on a writing area of an input device as a dialing area;

computer readable program code for loading a program for defining the dialing area and processing the signal coming from the dialing area, said dialing area being defined such that a portion of a page being faxed is simultaneously displayed with said dialing area; and

computer readable program code for triggering the program according to predetermined timing when a writing device contacts the dialing area.

11. (currently amended) A computer system comprising:

a pen-based input device, comprising a writing pen and a writing pad, enabling a user to write documents for fax transmission on the writing pad by means of the writing pen, wherein said input device is capable of generating data representative of the moving trace of the pen-based input device and of recording a user's written input in a strokes data format, each stroke comprising a series of position coordinates of pen-based input device between a pen-down event and a pen-up event;

an encoder for transferring the stroke format data representative of the moving trace of the writing pen into fax data format, said encoder comprising:

a data filter filtering the data generated by the pen-based input device to extract the stroke data represented by x and y coordinates, and

a format generator transferring the stroke data into data in the standard fax data format by interpolating, sorting and encoding and wherein said format generator batch processes blank lines between non-blank lines during the encoding procedure;

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    a dialer for inputting the fax number of a destination to set up a connection herewith; and

    a fax transmission device for transmitting to the destination the data in the fax data format output from the encoding means.

12. (currently amended) A method for a computer system, comprising the steps of:

    selecting an area on a writing area of an input device as a dialing area;

    loading a program for defining the dialing area and processing the signal coming from the dialing area, said dialing area being defined such that a portion of a page being faxed is simultaneously displayed with said dialing area; and

    triggering the program according to predetermined timing when a writing device contacts the dialing area.

13. (currently amended) A dialing method as in claim 9, wherein said writing area has a form factor coinciding with that of a standard paper size, and said dialing area is defined as a region of [[a]] said page being faxed.

14. (previously presented) A dialing method as in claim 9, wherein said writing area has a form factor coinciding with that of a standard paper size, and said dialing area is defined as a region adjacent a fax page display area of said writing area.

15. (currently amended) A program product as in claim 10, wherein program code means for selecting selects said dialing area from a region of [[a]] said page being faxed.

16. (previously presented) A program product as in claim 10, wherein program code means for selecting selects said dialing area from a region adjacent to a fax page display area.

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17. (currently amended) A method as in claim 12, wherein said writing area has a form factor coinciding with that of a standard paper size, and said dialing area is defined as a region of [[a]] said page being faxed.

18. (previously presented) A method as in claim 12, wherein said writing area has a form factor coinciding with that of a standard paper size, and said dialing area is defined as a region adjacent a fax page display area of said writing area.

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